
Product Data Sheet

Product Name: CPA4 Human
 Cat. No.: GP21494
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9,Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Carboxypeptidase A4; Carboxypeptidase A3; CPA3; EC3.4.17.1; EC 3.4.17.-; EC 3.4.17; Carboxypeptidase A4; Carboxypeptidase A3.		
Amino Acid Sequence	<p>GQEKFFGDQV LRINVRNGDE ISKLSQLVNS NNLKLNFWKS PSSFNRPVDVLVPSVSLQAF KSFLRSQGLE YAVTIEDLQA LLDNEDDEM HNEGQERSSN NFNYGAYHSL EAIYHEMDNIAADFPDLARR VKIGHSFENR PMYVLKFSTG KGVRRPAVWL NAGIHSREWI SQATAIWTAR KIVSDYQRDPAITSILEKMD IFLLPVANPD GYVYTQTQNR LWRKTRSRNP GSSCIGADPN RNWNASFAGK GASDNPCSEVYHGPHANSEV EVKSVVDFIQ KHGNFKGFID LHSYSQLLMY PYGYSVKKAP DAEELDKVAR LAAKALASVSGTEYQVGPTC TTVYPASGSS IDWAYDNGIK FAFTFELRDT GTYGFLLPAN QIIPTAETW LGLKTIMEHV RDONLYLEHHH HHH.</p>		
Formulation	CPA4protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10%glycerol.		

Introduction

Carboxypeptidase A4 (CPA4) belongs to the carboxypeptidase A/B subfamily, and it is located in a cluster with 3 other family members on chromosome 7. CPA4 is a secreted, zinc-dependent metalloproteinase, which removes the C-terminal amino acid from peptides having a free C-terminal carboxyl group. CPA4 is a metalloprotease which may be involved in the histone hyperacetylation pathway. CPA4 are synthesized as zymogens which are activated by proteolytic cleavage.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CPA4 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 413 amino acids (17-421a.a.) and having a molecular mass of 46.6kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). CPA4 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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